



## Instant Wireless Cable Replacement

**Bluetooth™**

# Class 2 RS232

## Bluetooth™ Serial Port Adaptor

### Features

- Integral Antenna
- Security: bonding/pairing option
- Can be configured as a 'pair' offering TRUE cable replacement
- Able to establish a wireless connection to any legacy device with a RS232 serial port
- Advanced features available via Hyperterminal, Command Set & Windows Utilities
- Open field range up to 30m with Class 2

### Specifications

- Class 2 device 2dBm
- Max Measured Current: 150mA
- Sleep Mode: 1mA max
- Power Requirements: 5V-13.6V on pin 9 Mains Power Adapter Supplied

#### Default Configuration

- 115,200 baud, 8 Data bits, 1 Stop bit, No Parity
- Size: 7.5cm x 3.4cm Weight: 24g
- Bluetooth 1.1 Qualified

### Configuration Options

- Baud Rate: Select from list or enter custom. Available rates 244 baud- 921,600 baud
- Data bits: 8 only
- Parity: Odd, even or none
- Stop bits: 1 or 2
- Profile Behaviour: Client Server (DevA, DevB)
- Bonding: Enable/disable/link key expiry. Manually enter remote address
- PIN: Select from list or enter custom (16 character limit)
- Local Name: Select from list or enter custom (31 character limit)
- Menu: enable/disable/allow automated configuration
- Automatically detects and matches the baud rate of the attached device
- Field Upgradeable
- Windows Configuration/Upgrade Utility
- Controllable Proximity Connection
- DTR/DSR Handshaking
- Find and Connect Capability
- Park/Hold and Sniff Modes

**Note:** Settings are only applied on device reset or user confirmation.

### Description



The Brainboxes RS232 Adaptor allows any device with an RS232 port to communicate with another Bluetooth device without the need for additional Bluetooth software, making it ideal for Bluetooth enabling 'dumb' RS232 devices such as printers/scanners etc. It is based on fully tested Bluetooth silicon, allowing communications at the full Bluetooth data rates. The antenna for the board is built into the PCB.

This product is part of a wide range of Bluetooth products available from Brainboxes including Type I CompactFlash, USB and Type II PCMCIA.

### Key Benefits

- Small Form Factor
- Configurability
- Ease of use
- Power input via Pin 9 of RS232 port
- Class 2 device

**Simple to use - be up and running within seconds!**

### Software/Configuration



The BL-819/BL-830 does not require any software. It has a choice of 3 simple and easy to use configuration utilities, these are the Windows, Hyperterminal and Command Set Configuration applications. This means its settings can be changed from any Windows or Linux Operating System without the need for a specific configuration application.

### ORDER

#### Description

Bluetooth RS232 Adaptor DTE (Male 9pin D for Device End)  
Bluetooth RS232 Adaptor DCE (Female 9pin D for PC End)

#### Code

BL-819  
BL-830



## New Bluetooth RS232 Serial Port Adaptor User Friendly Form Factor

Class 2 Bluetooth Device – Bluetooth Specification 1.1 Compact Size

### 'Simple Cable Replacement'

Simple to use – be up and running within seconds

Brainboxes 'NEW' small form factor Bluetooth Serial Port Adaptor is a high-performance, low-power serial port cable replacement product. The Serial Port Adaptor is an ideal cable replacement technology for mobile applications in POS, industrial, scientific and medical areas.

The adaptor automatically detects when power is being supplied on pin 9 of the RS232 connector, input range 5V to 13.6V.

#### GENERAL

- Bluetooth 1.1 Qualified
- Embedded Bluetooth Protocol Stack - SPP (Serial Port Profile)
- Server or Client roles supported
- Board Mounted Antenna
- Class 2 Bluetooth Device - Typical range up to 30m with Class 2
- Auto detect power source on Pin 9 of RS232 port (if available)
- Supports input power ranges from 5V - 13.6V
- Mains power adaptor included



Bluetooth RS232 Serial Port Adaptor

#### SERIAL INTERFACE

- Standard male RS-232 DSUB-9M connector for DTE operation - BL-819
- Standard female RS-232 DSUB-9F connector for DCE operation - BL-830
- Supports point-to-point paired operation
- Master/Slave software Switch supported
- Supported Baud rates 300 - 921kbps in increments of 244bps

Part of Brainboxes family of CF, RS232 and USB Bluetooth Adaptors

